

FCC RF Test Report

(Bluetooth)

Report No.: JYTSZ-R12-2500542

Applicant: Shenzhen Gotron Electronic CO., LTD.

Address of Applicant: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: GQ5017, Armor 34 Pro, Armor 34, Armor 34 Ultra, Armor 34T Ultra, Armor 34T Pro, Armor 34 Lite, Armor 34s, Armor 34s Pro

Trade Mark: ulefone

FCC ID: 2AOWK-5017

Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Sample Receipt: 24 Mar., 2025

Date of Test: 25 Mar., to 16 Jul., 2025

Date of Report Issued: 16 Jul., 2025

Test Result: PASS

Project by: Liwei Ping **Date:** 16 Jul., 2025

Reviewed by: Liwei Ping **Date:** 16 Jul., 2025

Approved by: James Wei **Date:** 16 Jul., 2025

Manager

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	22 Apr., 2025	Original
01	16 Jul., 2025	Updated Pages 5,8,10,30 and Appendix-BT

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Gotron Electronic CO., LTD.
Address:	7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China
Manufacturer:	Shenzhen Gotron Electronic CO., LTD.
Address:	7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China

3.2 General Description of E.U.T.

Product Name:	Smart Phone
Model No.:	GQ5017, Armor 34 Pro, Armor 34, Armor 34 Ultra, Armor 34T Ultra, Armor 34T Pro, Armor 34 Lite, Armor 34s, Armor 34s Pro
Operation Frequency:	2402 MHz - 2480 MHz
Transfer Rate:	1/2/3 Mbits/s
Number of Channel:	79
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Modulation Technology:	FHSS
Antenna Type:	Internal Antenna
Antenna Gain:	0.81 dBi (declare by applicant)
Antenna transmit mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Battery DC3.87V, 25500mAh
AC Adapter:	Model:HJ-PD66W-US Input: AC100-240V, 50/60Hz, 1.5A Output: DC 5.0V, 3.0A 15.0W OR 9.0V, 3.0A 27.0W OR 12.0V, 3.0A 36.0W OR 15.0V, 3.0A 45.0W OR 20.0V 3.25A 65W OR 11.0V, 6.0A 66.0W MAX
Remark:	GQ5017, Armor 34 Pro, Armor 34, Armor 34 Ultra, Armor 34T Ultra, Armor 34T Pro, Armor 34 Lite, Armor 34s, Armor 34s Pro were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Test Environment

Test Modes:	
Non-hopping mode:	Keep the EUT in continuous transmitting mode.
Hopping mode:	Keep the EUT in hopping mode.
Remark: - For AC power line conducted emission and radiated spurious emission, pre-scan GFSK, $\pi/4$-DQPSK, 8DPSK modulation mode, found GFSK modulation and lowest channel was worse case mode. The report only reflects the test data of worst mode. - Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report. - During the test, the mobile phone dial interface is used to enter the EUT engineering mode, and the prototype transmission power level is 7.	
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.87Vdc, Extreme: Low 3.00Vdc, High 4.45Vdc
Test Engineer:	Li Huang (Conducted measurement) Robin Gu (Radiated measurement)

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Occupied Channel Bandwidth	0.250 MHz
RF output power, conducted	0.75dB
Power Spectral Density, conducted	±3.0 dB
Unwanted Emissions, conducted	2.86 dB
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.0 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.4 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	±4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	±5.8 dB
Radiated Emission (1GHz ~ 18GHz) (3m FAR)	5.15 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.30 dB

Note: All the measurement uncertainty value were shown with a coverage $k=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

3.6 Additions to, Deviations, or Exclusions From the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-03-2025	01-02-2026
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-03-2025	01-02-2026
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-16-2024	12-15-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-15-2025	01-14-2026
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-01-2024	06-30-2025
				04-24-2025	04-23-2026
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	06-16-2024	06-15-2025
				05-23-2025	05-22-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-24-2024	04-23-2025
				04-21-2025	04-20-2026
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-24-2024	04-23-2025
				04-21-2025	04-20-2026
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9020B	WXJ081-1	06-11-2024	06-10-2025
				05-08-2025	05-07-2026
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	06-11-2024	06-10-2025
				05-08-2025	05-07-2026
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	12-17-2024	12-16-2025
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	12-17-2024	12-16-2025
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-15-2025	01-14-2026
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	09-10-2024	09-09-2025
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	12-17-2024	12-16-2026
Power Detector Box	MWRFTTEST	MW100-PSB	WXJ007-4	09-10-2024	09-09-2025
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	
RF Control Unit	MWRFTTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTTEST	MTS 8310	Version: 2.0.0.0		

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4 Measurement Setup and Procedure

4.1 Test Channel

Carrier Frequency Channel:

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	27	2428	54	2455
1	2403	28	2429	55	2456
2	2404	29	2430	56	2457
3	2405	30	2431	57	2458
4	2406	31	2432	58	2459
5	2407	32	2433	59	2460
6	2408	33	2434	60	2461
7	2409	34	2435	61	2462
8	2410	35	2436	62	2463
9	2411	36	2437	63	2464
10	2412	37	2438	64	2465
11	2413	38	2439	65	2466
12	2414	39	2440	66	2467
13	2415	40	2441	67	2468
14	2416	41	2442	68	2469
15	2417	42	2443	69	2470
16	2418	43	2444	70	2471
17	2419	44	2445	71	2472
18	2420	45	2446	72	2473
19	2421	46	2447	73	2474
20	2422	47	2448	74	2475
21	2423	48	2449	75	2476
22	2424	49	2450	76	2477
23	2425	50	2451	77	2478
24	2426	51	2452	78	2479
25	2427	52	2453	79	2480
26	2402	53	2454	--	--
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	39	2441	78	2480

1) Conducted emission measurement:

The diagram illustrates the setup for conducted emission measurements. An Equipment Under Test (EUT) is placed on a nonconductive table (1.5 x 1 meter). The table is supported by legs that are bonded to a conducting ground plane. The ground plane extends at least 0.5 meters beyond the EUT system footprint. A power cord (1) connects the EUT to a Line Impedance Stabilization Network (LISN), which is also bonded to the ground plane. The LISN is connected to a power source (2). The distance from the EUT to the LISN is 10 cm. The distance from the LISN to the ground plane is 3.3 m. The distance from the EUT to the ground plane is 3.1 m. The distance from the LISN to the power source is 3.2 m. The distance from the EUT to the power source is 3.3 m. The distance from the EUT to the ground plane is 80 cm. The distance from the LISN to the ground plane is 40 cm. The distance from the EUT to the power source is 40 cm. The distance from the LISN to the power source is 40 cm.

Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

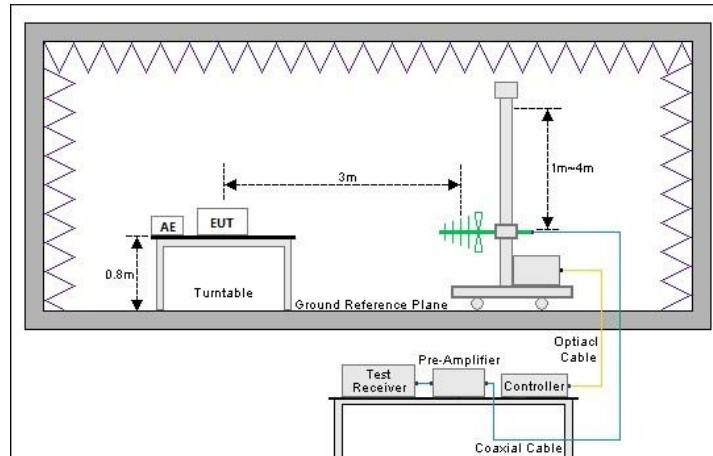
2) Radiated emission measurement:

9KHz-30MHz (3m SAC)

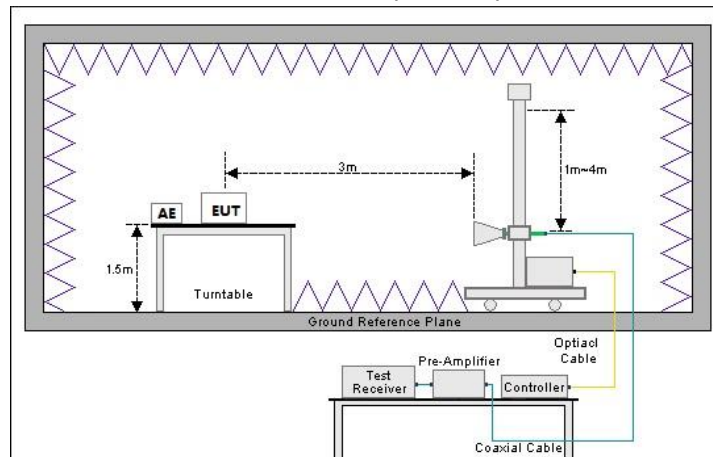
The diagram illustrates the setup for radiated emission measurements. The Equipment Under Test (EUT) is placed on a turntable, which is positioned on a Ground Reference Plane. The turntable is rotated at a height of 0.8 m. The EUT is connected to an Antenna (AE). The distance between the AE and the EUT is 3 m. The antenna is mounted on a stand that is 1 m to 4 m high. The antenna is connected to a Test Receiver via a Coaxial Cable. The Test Receiver is connected to a Pre-Amplifier, which is connected to a Controller. The Controller is connected to the Test Receiver via an Optical Cable.

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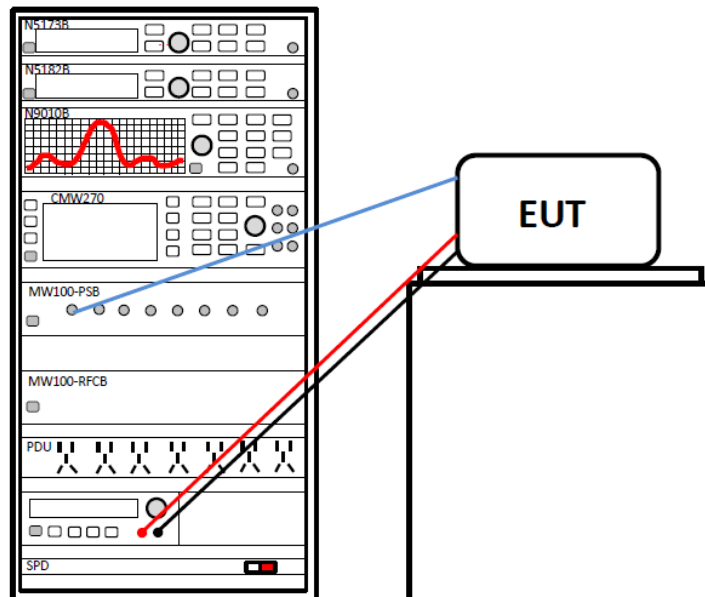
Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



3) Conducted test method



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4.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	For below 30MHz: 1. The EUT was placed on the table top of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For below 1GHz: 4. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 5. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 6. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.

Conducted test method	1. The Bluetooth antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software. The test procedures of each test project are as follows: 3.1 Conducted Output Power 3.1.1 The testing follows ANSI C63.10-2013 clause 7.8.5 3.1.2 Set the measurement with the spectrum analyzer's RBW> 99% bandwidth Set the VBW$\geq 3 \times$ RBW, Detector = peak, Trace mode = max hold. Sweep = auto couple. 3.2 20dB Occupied Bandwidth & 99% Bandwidth 3.2.1 The testing follows ANS C63.10-2013 clause 6.9.2 and 6.9.3. 3.2.2 Use the following spectrum analyzer settings for 20 dB Bandwidth measurement. Set the span=2~5 times the 20 dB Bandwidth, set the RBW = 1%~5% of the 99% Bandwidth, set the VBW $\geq 3 \times$ RBW, Sweep= auto; Detector function = peak, Trace = max hold. 3.2.3 Use the following spectrum analyzer settings for 99 % Bandwidth measurement. Span = approximately 1.5 to 5 times the 99% bandwidth; The RBW is set to 1% to 5% of the 99% OBW, the VBW is set to 3 times the RBW: Sweep = auto; Detector function = sample, Trace = max hold. 3.3 Carrier Frequencies Separation 3.3.1 The testing follows ANSI C63.10-2013 clause 7.8.2. 3.3.2 Enable the EUT hopping function. 3.3.3 Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels. 3.3.4 Set RBW = 300 kHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold. 3.4 Hopping Channel Number 3.4.1 The testing follows ANSI C63.10-2013 clause 7.8.3. 3.4.2 Enable the EUT hopping function. 3.4.3 Use the following spectrum analyzer settings: Span = the frequency band of operation;RBW = 300kHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold. 3.4.4 The number of hopping frequency used is defined as the number of total channel. 3.5 Dwell Time 3.5.1 The testing follows ANSI C63.10-2013 clause 7.8.4. 3.5.2 Enable the EUT hopping function. 3.5.3 Use the following spectrum analyzer settings: Span = zero span; RBW = 1 MHz; VBW $\geq$ RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold. 3.6 Band-edge Emission 3.6.1 The testing follows ANSI C63.10-2013 clause 7.8.6 3.6.2 Set to the maximum power setting and enable the EUT transmit continuously 3.6.3 Set RBW = 100 kHz, VBW = 300 kHz. Band edge emissions must
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	be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. 3.6.4 Enable hopping function of the EUT and then repeat step 3.6.3. 3.7 Conduction Spurious Emission 3.7.1 The testing follows ANSI C63.10-2013 clause 7.8.8. 3.7.2 Set to the maximum power setting and enable the EUT transmit continuously 3.7.3 Set RBW = 100 kHz, VBW = 300 kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.
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5 Test Results

5.1 Summary

5.1.1 Clause and data summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
Conducted Output Power	15.247 (b)(1)	Appendix – BT	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Appendix – BT	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Appendix – BT	Pass
Hopping Channel Number	15.247 (a)(1)(iii)	Appendix – BT	Pass
Dwell Time	15.247 (a)(1)(iii)	Appendix – BT	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix – BT	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by “RF Output Power” and other conduction measurement items is 0.5dB (provided by the customer).			
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		

5.1.2 Test Limit

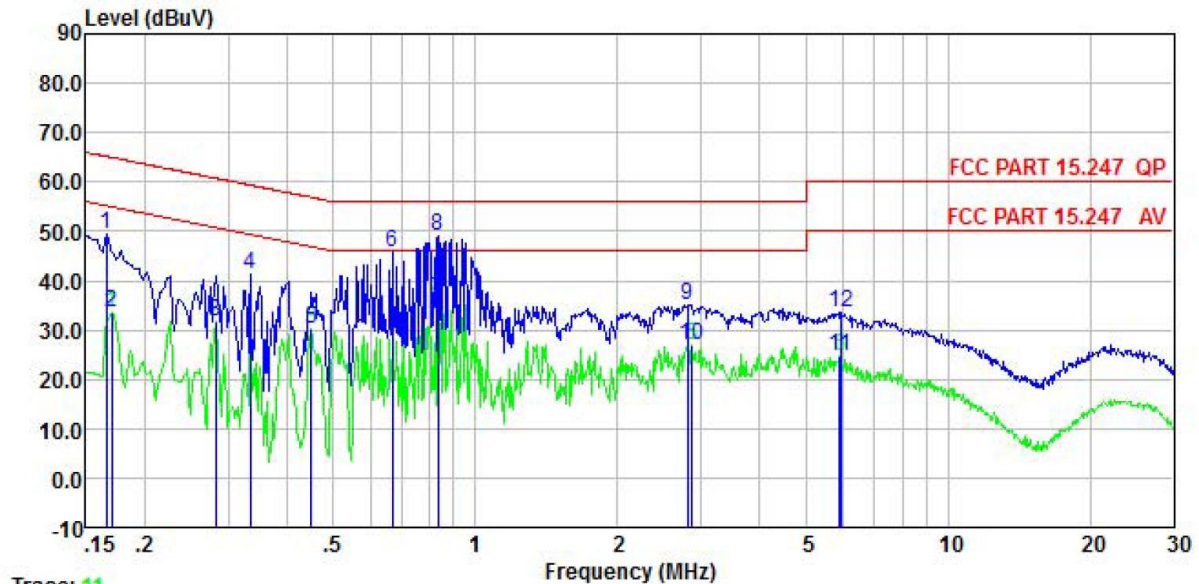
Test items	Limit																														
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.	Frequency (MHz)	Limit (dBμV)		Quasi-Peak	Average	0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1	0.5 – 5	56	46	5 – 30	60	50																
Frequency (MHz)	Limit (dBμV)																														
	Quasi-Peak	Average																													
0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1																													
0.5 – 5	56	46																													
5 – 30	60	50																													
Conducted Output Power	For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.																														
20dB Occupied Bandwidth	Within authorization band																														
Carrier Frequencies Separation	a) 0.025MHz or the 20dB bandwidth (whichever is greater). b) 0.025MHz or two-thirds of the 20dB bandwidth (whichever is greater).																														
Hopping Channel Number	At least 15 channels.																														
Dwell Time	Not be greater than 0.4 seconds.																														
Band-edge Emission Conduction Spurious Emission	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).																														
Emissions in Restricted Frequency Bands Emissions in Non-restricted Frequency Bands	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> Note: The more stringent limit applies at transition frequencies. <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBμV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> Note: The measurement bandwidth shall be 1 MHz or greater.	Frequency (MHz)	Limit (dBμV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dBμV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dBμV/m)		Detector																												
	@ 3m	@ 10m																													
30 – 88	40.0	30.0	Quasi-peak																												
88 – 216	43.5	33.5	Quasi-peak																												
216 – 960	46.0	36.0	Quasi-peak																												
960 – 1000	54.0	44.0	Quasi-peak																												
Frequency	Limit (dBμV/m) @ 3m																														
	Average	Peake																													
Above 1 GHz	54.0	74.0																													

5.2 Antenna Requirement

Standard requirement:	FCC Part 15 C Section 15.203 & 247(b)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: (4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
E.U.T Antenna:	
The Bluetooth antenna is an Internal antenna which permanently attached, and the best case gain of the antenna is 0.81 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	Smart Phone	Product model:	GQ5017
Test by:	Kiran Zeng	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

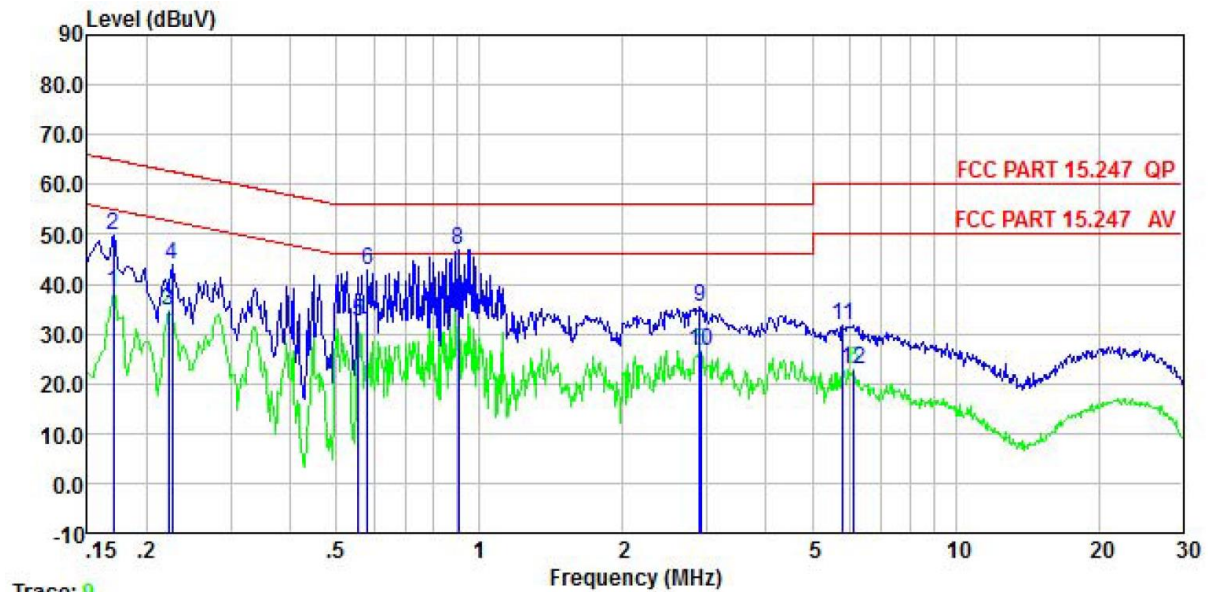


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.166	29.22	10.17	0.00	9.88	0.01	49.28	65.16	-15.88	QP
2	0.170	13.57	10.15	0.00	9.88	0.01	33.61	54.94	-21.33	Average
3	0.282	11.81	10.10	0.00	9.88	0.02	31.81	50.76	-18.95	Average
4	0.334	21.24	10.10	0.00	9.88	0.02	41.24	59.35	-18.11	QP
5	0.449	10.34	10.13	0.00	9.88	0.03	30.38	46.89	-16.51	Average
6	0.668	25.77	10.16	0.00	9.88	0.03	45.84	56.00	-10.16	QP
7	0.835	15.96	10.12	0.00	9.88	0.03	35.99	46.00	-10.01	Average
8	0.835	29.14	10.12	0.00	9.88	0.03	49.17	56.00	-6.83	QP
9	2.809	14.95	10.27	0.00	9.88	0.09	35.19	56.00	-20.81	QP
10	2.869	6.81	10.28	0.00	9.89	0.08	27.06	46.00	-18.94	Average
11	5.898	4.41	10.35	0.00	9.90	0.09	24.75	50.00	-25.25	Average
12	5.961	13.29	10.35	0.00	9.90	0.09	33.63	60.00	-26.37	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Smart Phone	Product model:	GQ5017
Test by:	Kiran Zeng	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



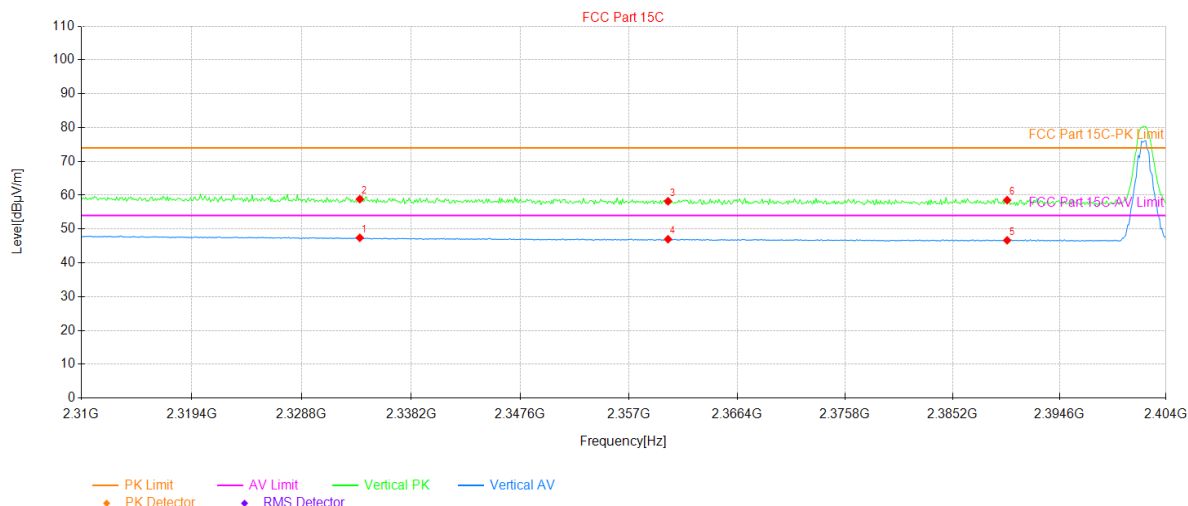
	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.170	18.33	10.20	0.00	9.88	0.01	38.42	54.94	-16.52	Average
2	0.170	29.80	10.20	0.00	9.88	0.01	49.89	64.94	-15.05	QP
3	0.222	14.58	10.18	0.00	9.88	0.03	34.67	52.74	-18.07	Average
4	0.222	23.80	10.18	0.00	9.88	0.02	43.88	62.61	-18.73	QP
5	0.555	12.19	10.26	0.00	9.88	0.02	32.35	46.00	-13.65	Average
6	0.582	22.45	10.28	0.00	9.88	0.02	42.63	56.00	-13.37	QP
7	0.904	14.52	10.25	0.00	9.88	0.04	34.69	46.00	-11.31	Average
8	0.904	26.56	10.25	0.00	9.88	0.04	46.73	56.00	-9.27	QP
9	2.900	15.23	10.21	0.00	9.89	0.08	35.41	56.00	-20.59	QP
10	2.915	6.44	10.21	0.00	9.89	0.08	26.62	46.00	-19.38	Average
11	5.805	11.51	10.25	0.00	9.90	0.09	31.75	60.00	-28.25	QP
12	6.121	2.66	10.26	0.00	9.90	0.09	22.91	50.00	-27.09	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.4 Emissions in Restricted Frequency Bands

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



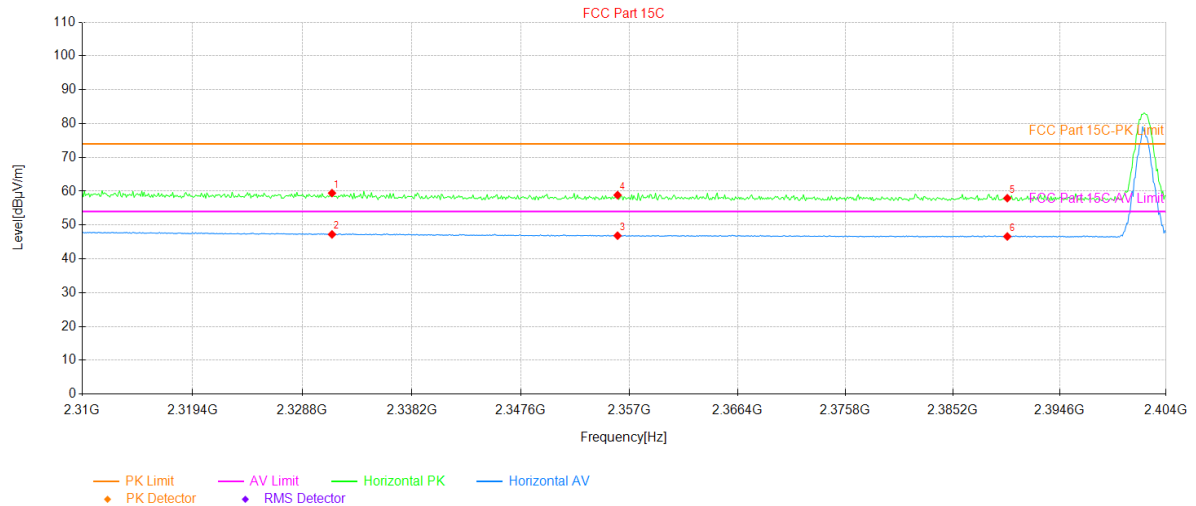
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2333.78	11.23	36.18	47.41	54.00	6.59	35	AV	PASS	Vertical
2	2333.78	22.65	36.18	58.83	74.00	15.17	319	PK	PASS	Vertical
3	2360.38	22.26	35.96	58.22	74.00	15.78	337	PK	PASS	Vertical
4	2360.38	11.02	35.96	46.98	54.00	7.02	334	AV	PASS	Vertical
5	2390.00	10.74	35.93	46.67	54.00	7.33	0	AV	PASS	Vertical
6	2390.00	22.61	35.93	58.54	74.00	15.46	105	PK	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



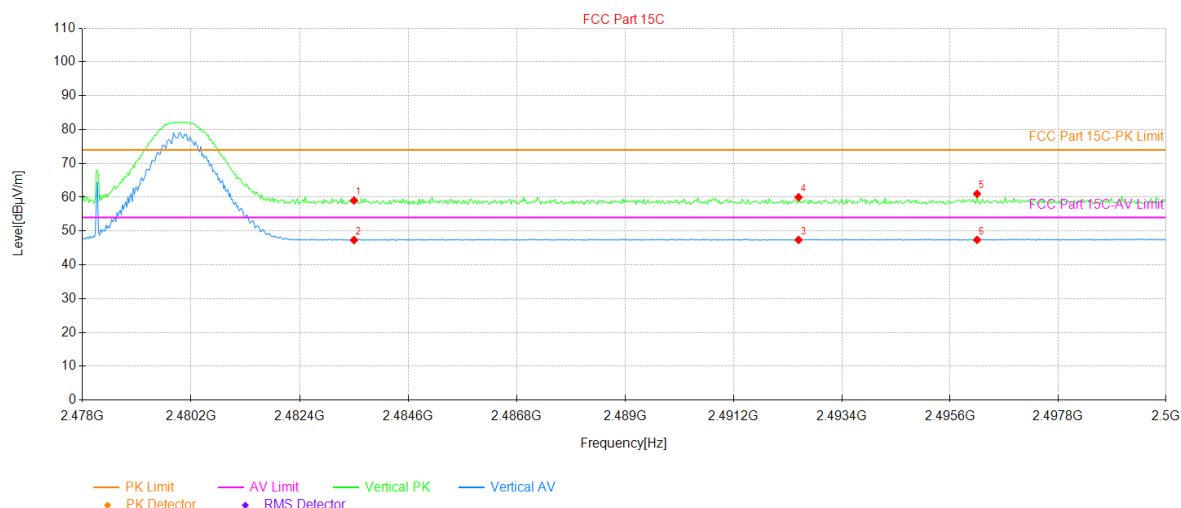
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2331.34	23.23	36.21	59.44	74.00	14.56	255	PK	PASS	Horizontal
2	2331.34	11.02	36.21	47.23	54.00	6.77	273	AV	PASS	Horizontal
3	2355.97	10.88	35.97	46.85	54.00	7.15	296	AV	PASS	Horizontal
4	2355.97	22.87	35.97	58.84	74.00	15.16	351	PK	PASS	Horizontal
5	2390.00	22.01	35.93	57.94	74.00	16.06	56	PK	PASS	Horizontal
6	2390.00	10.69	35.93	46.62	54.00	7.38	229	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



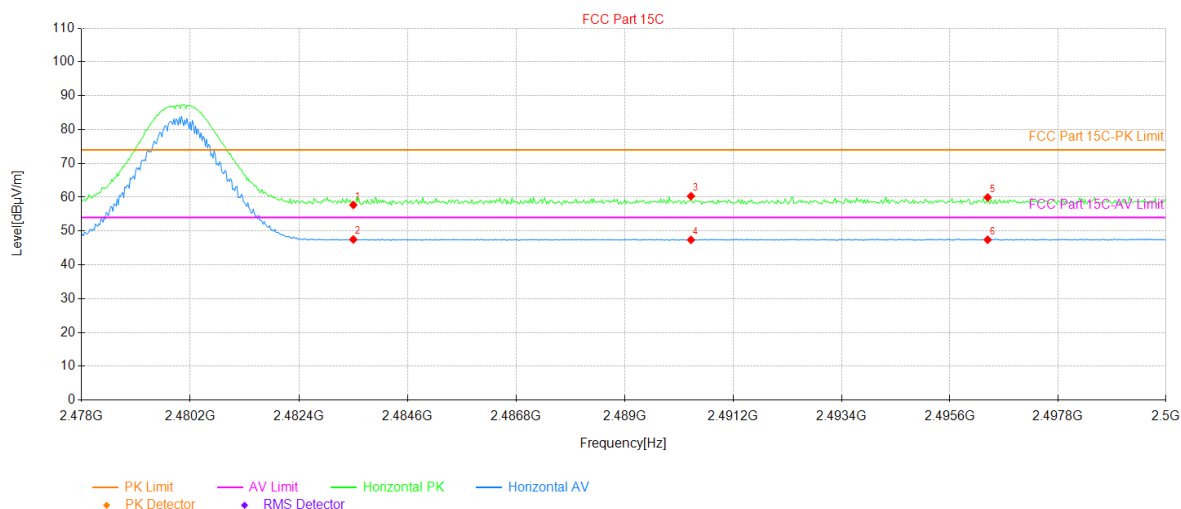
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.29	36.74	59.03	74.00	14.97	250	PK	PASS	Vertical
2	2483.50	10.59	36.74	47.33	54.00	6.67	223	AV	PASS	Vertical
3	2492.52	10.63	36.76	47.39	54.00	6.61	171	AV	PASS	Vertical
4	2492.52	23.22	36.76	59.98	74.00	14.02	144	PK	PASS	Vertical
5	2496.15	24.23	36.77	61.00	74.00	13.00	80	PK	PASS	Vertical
6	2496.15	10.61	36.77	47.38	54.00	6.62	129	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

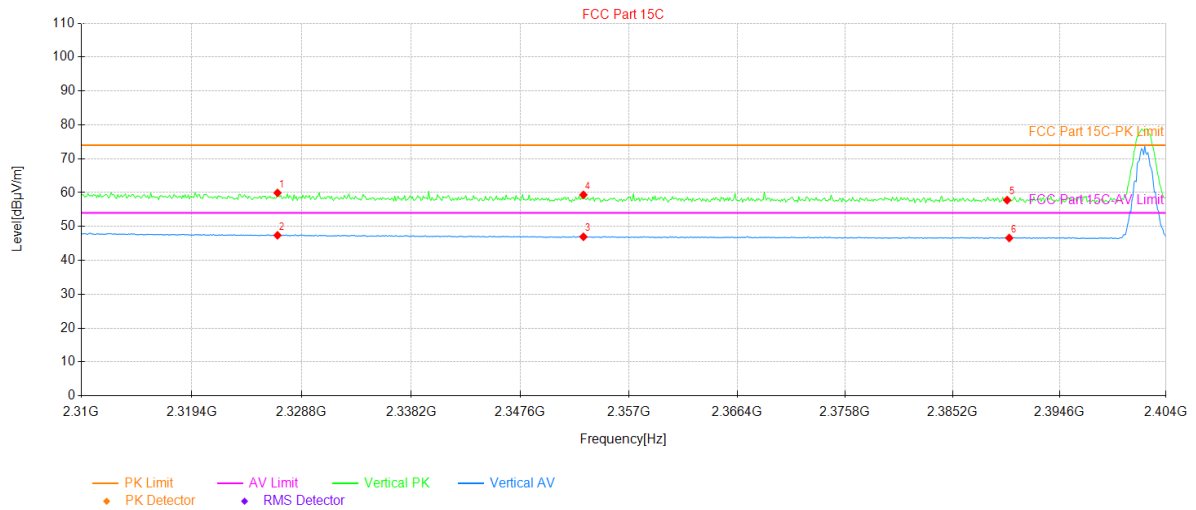
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	20.96	36.74	57.70	74.00	16.30	216	PK	PASS	Horizontal
2	2483.50	10.76	36.74	47.50	54.00	6.50	325	AV	PASS	Horizontal
3	2490.34	23.55	36.76	60.31	74.00	13.69	27	PK	PASS	Horizontal
4	2490.34	10.63	36.76	47.39	54.00	6.61	287	AV	PASS	Horizontal
5	2496.37	23.17	36.77	59.94	74.00	14.06	272	PK	PASS	Horizontal
6	2496.37	10.64	36.77	47.41	54.00	6.59	87	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

$\pi/4$ -DQPSK mode

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



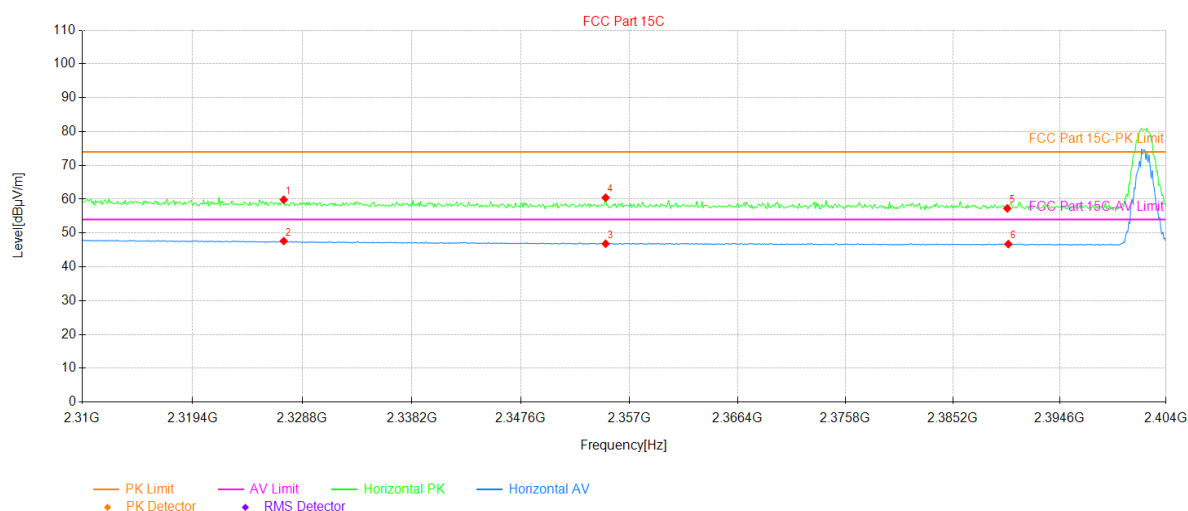
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2326.73	23.63	36.28	59.91	74.00	14.09	304	PK	PASS	Vertical
2	2326.73	11.11	36.28	47.39	54.00	6.61	68	AV	PASS	Vertical
3	2353.05	10.99	35.97	46.96	54.00	7.04	166	AV	PASS	Vertical
4	2353.05	23.37	35.97	59.34	74.00	14.66	226	PK	PASS	Vertical
5	2390.00	21.84	35.93	57.77	74.00	16.23	259	PK	PASS	Vertical
6	2390.18	10.68	35.93	46.61	54.00	7.39	241	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



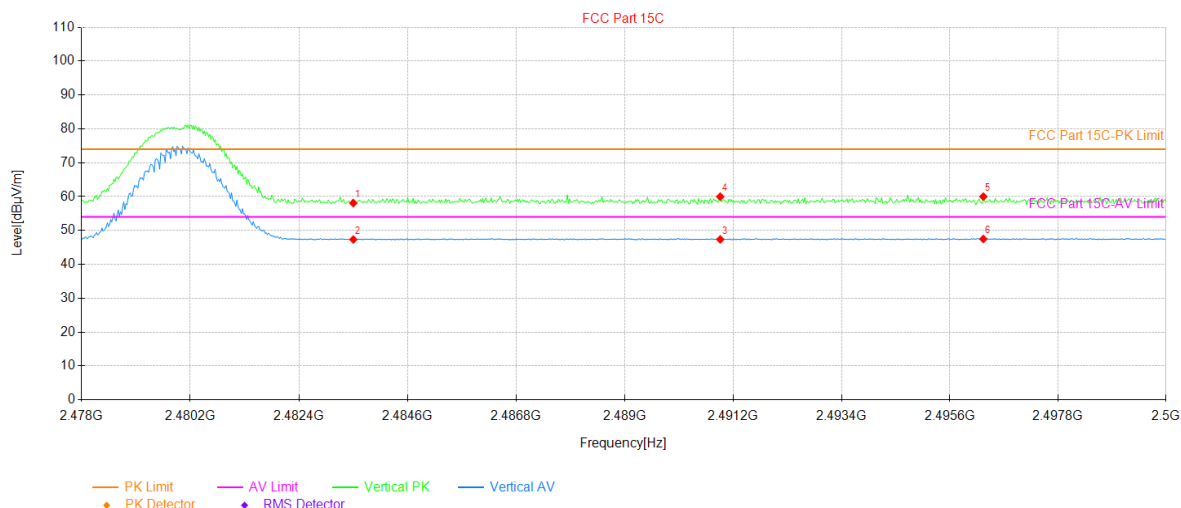
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2327.20	23.59	36.27	59.86	74.00	14.14	230	PK	PASS	Horizontal
2	2327.20	11.36	36.27	47.63	54.00	6.37	99	AV	PASS	Horizontal
3	2354.93	10.88	35.96	46.84	54.00	7.16	200	AV	PASS	Horizontal
4	2354.93	24.49	35.96	60.45	74.00	13.55	4	PK	PASS	Horizontal
5	2390.00	21.35	35.93	57.28	74.00	16.72	126	PK	PASS	Horizontal
6	2390.09	10.80	35.93	46.73	54.00	7.27	249	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		

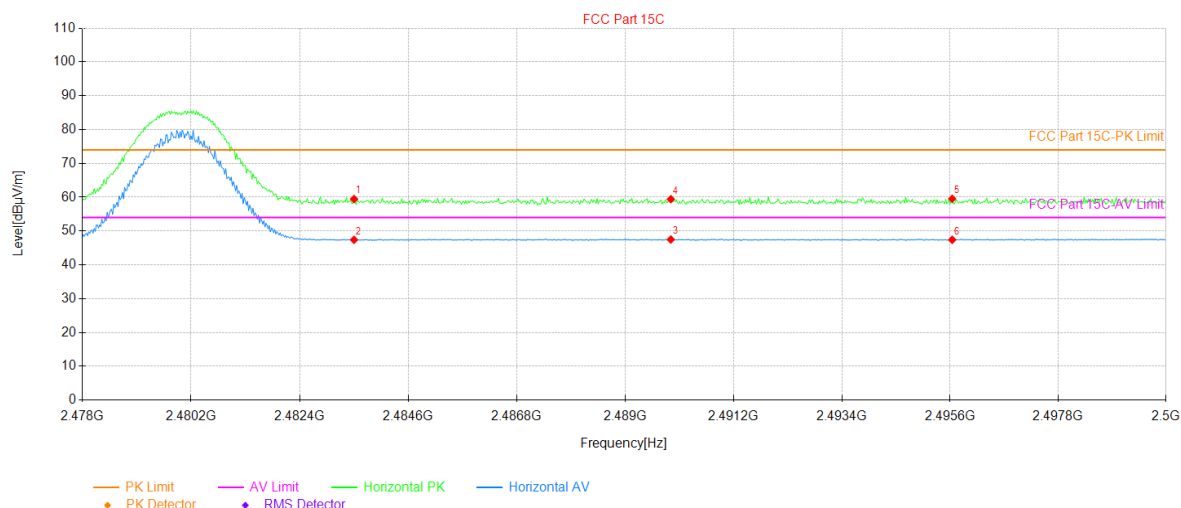


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	21.34	36.74	58.08	74.00	15.92	150	PK	PASS	Vertical
2	2483.50	10.60	36.74	47.34	54.00	6.66	146	AV	PASS	Vertical
3	2490.94	10.61	36.76	47.37	54.00	6.63	172	AV	PASS	Vertical
4	2490.94	23.22	36.76	59.98	74.00	14.02	83	PK	PASS	Vertical
5	2496.28	23.23	36.77	60.00	74.00	14.00	356	PK	PASS	Vertical
6	2496.28	10.72	36.77	47.49	54.00	6.51	259	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

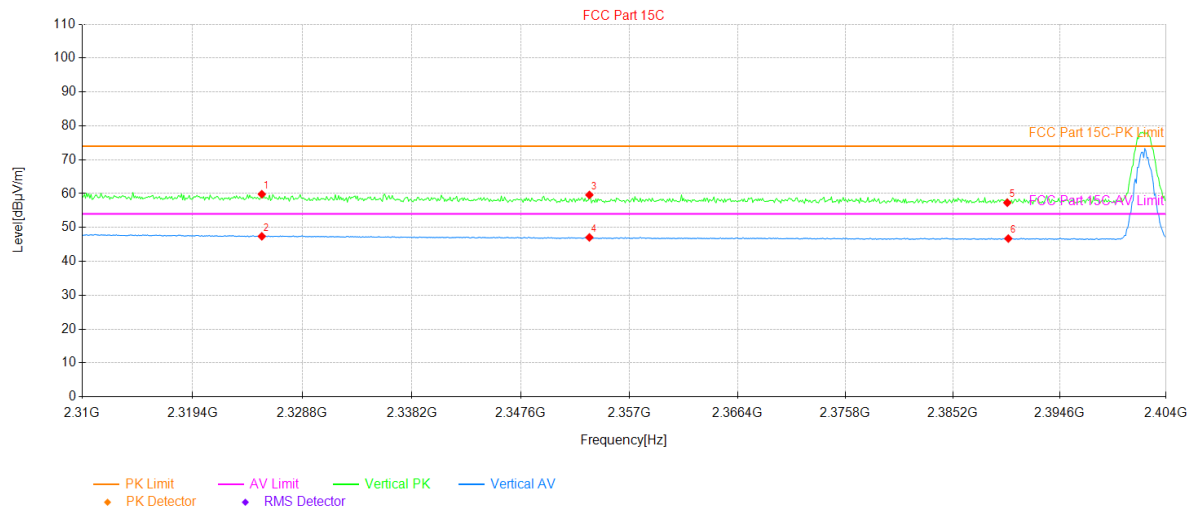
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.72	36.74	59.46	74.00	14.54	19	PK	PASS	Horizontal
2	2483.50	10.66	36.74	47.40	54.00	6.60	261	AV	PASS	Horizontal
3	2489.92	10.74	36.76	47.50	54.00	6.50	355	AV	PASS	Horizontal
4	2489.92	22.66	36.76	59.42	74.00	14.58	314	PK	PASS	Horizontal
5	2495.64	22.77	36.77	59.54	74.00	14.46	122	PK	PASS	Horizontal
6	2495.64	10.64	36.77	47.41	54.00	6.59	38	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

8DPSK mode

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



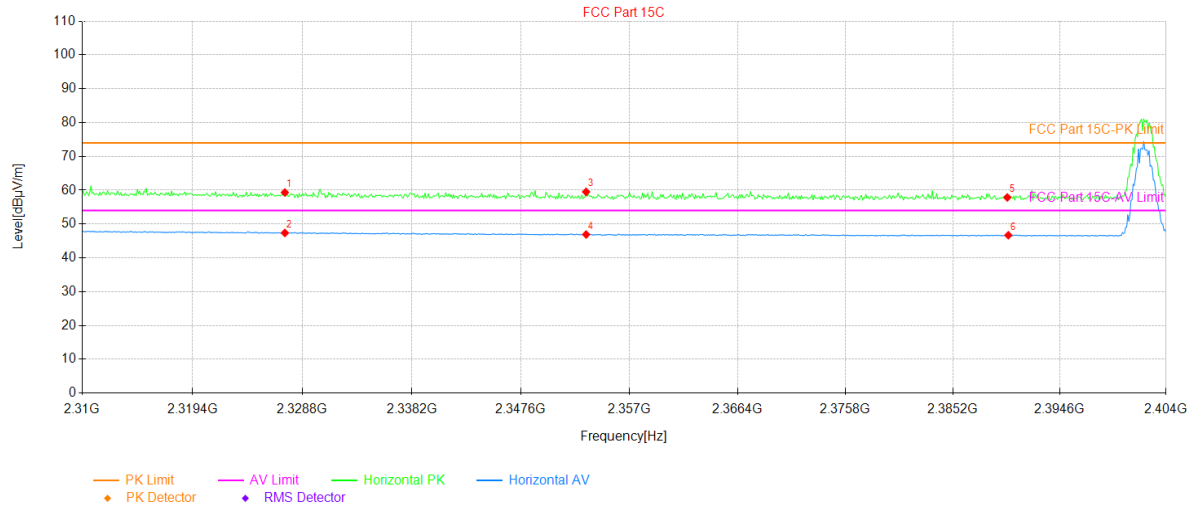
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2325.32	23.52	36.31	59.83	74.00	14.17	258	PK	PASS	Vertical
2	2325.32	11.08	36.31	47.39	54.00	6.61	213	AV	PASS	Vertical
3	2353.52	23.63	35.97	59.60	74.00	14.40	25	PK	PASS	Vertical
4	2353.52	11.10	35.97	47.07	54.00	6.93	92	AV	PASS	Vertical
5	2390.00	21.38	35.93	57.31	74.00	16.69	349	PK	PASS	Vertical
6	2390.09	10.80	35.93	46.73	54.00	7.27	127	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



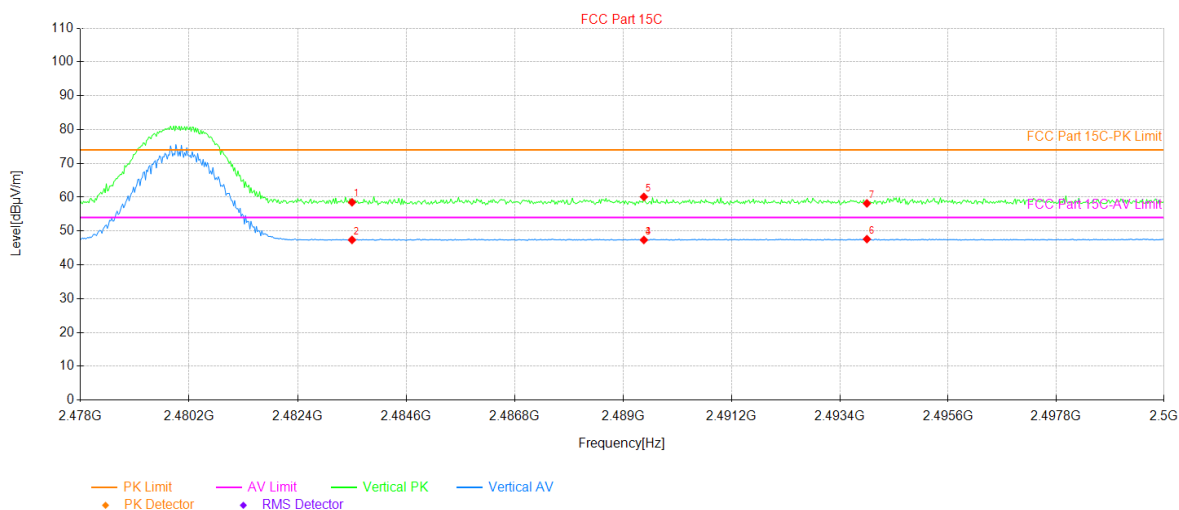
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2327.30	23.06	36.27	59.33	74.00	14.67	4	PK	PASS	Horizontal
2	2327.30	11.10	36.27	47.37	54.00	6.63	168	AV	PASS	Horizontal
3	2353.24	23.55	35.97	59.52	74.00	14.48	356	PK	PASS	Horizontal
4	2353.24	10.93	35.97	46.90	54.00	7.10	225	AV	PASS	Horizontal
5	2390.00	21.93	35.93	57.86	74.00	16.14	232	PK	PASS	Horizontal
6	2390.09	10.76	35.93	46.69	54.00	7.31	4	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.87V		



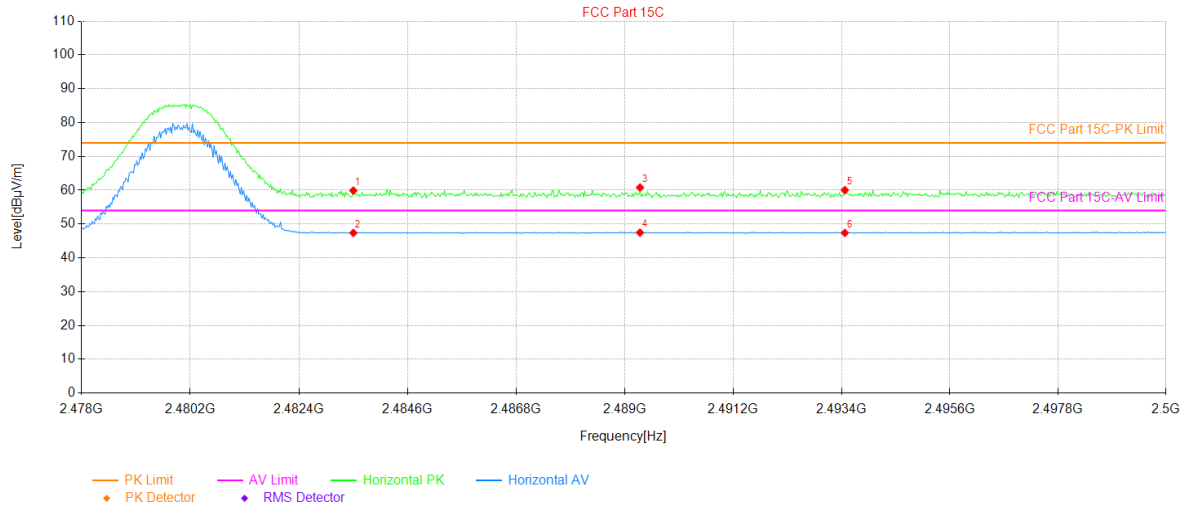
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	21.75	36.74	58.49	74.00	15.51	43	PK	PASS	Vertical
2	2483.50	10.64	36.74	47.38	54.00	6.62	358	AV	PASS	Vertical
3	2489.42	10.61	36.75	47.36	54.00	6.64	218	AV	PASS	Vertical
4	2489.42	10.61	36.75	47.36	54.00	6.64	218	AV	PASS	Vertical
5	2489.42	23.35	36.75	60.10	74.00	13.90	112	PK	PASS	Vertical
6	2493.95	10.85	36.76	47.61	54.00	6.39	32	AV	PASS	Vertical
7	2493.95	21.41	36.76	58.17	74.00	15.83	74	PK	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Robin Gu	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	23.15	36.74	59.89	74.00	14.11	331	PK	PASS	Horizontal
2	2483.50	10.63	36.74	47.37	54.00	6.63	2	AV	PASS	Horizontal
3	2489.31	24.05	36.75	60.80	74.00	13.20	158	PK	PASS	Horizontal
4	2489.31	10.71	36.75	47.46	54.00	6.54	34	AV	PASS	Horizontal
5	2493.47	23.27	36.76	60.03	74.00	13.97	267	PK	PASS	Horizontal
6	2493.47	10.63	36.76	47.39	54.00	6.61	106	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

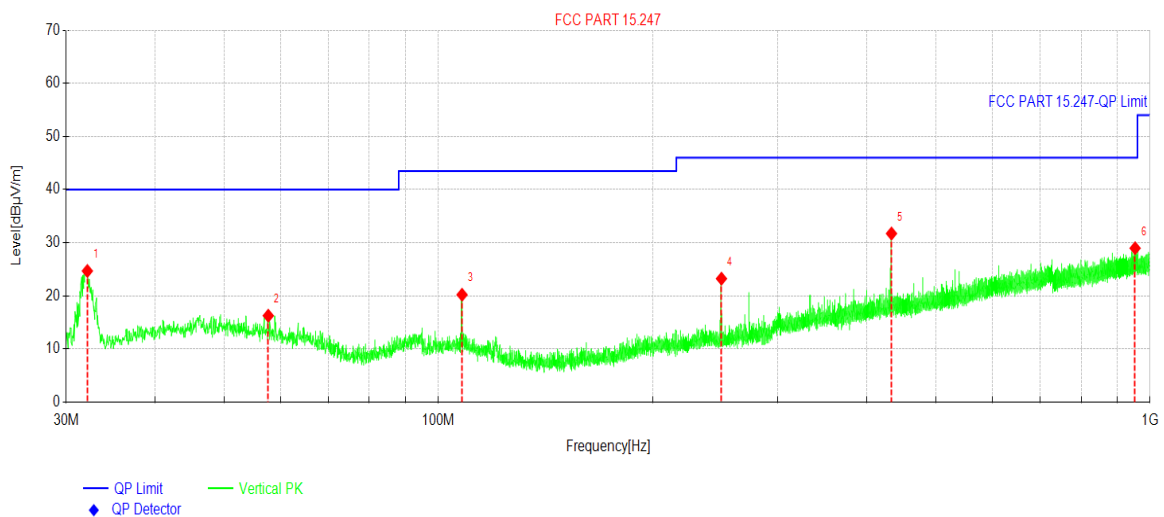
5.5 Emissions in Non-restricted Frequency Bands

Below 30MHz:

Test Frequency from 9kHz to 30MHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Below 1GHz:

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Kiran Zeng	Test mode:	BT Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.87V		



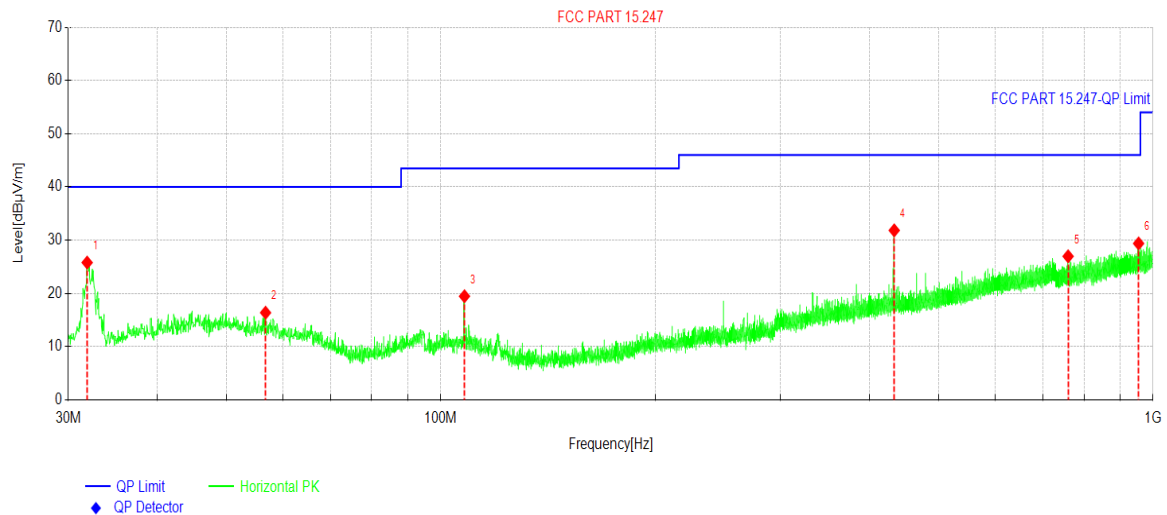
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	32.1341	40.31	-15.63	24.68	40.00	15.32	PK	Vertical
2	57.6949	29.89	-13.63	16.26	40.00	23.74	PK	Vertical
3	107.9919	34.43	-14.22	20.21	43.50	23.29	PK	Vertical
4	249.9585	36.83	-13.59	23.24	46.00	22.76	PK	Vertical
5	433.2492	41.56	-9.83	31.73	46.00	14.27	PK	Vertical
6	952.8556	30.78	-1.81	28.97	46.00	17.03	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Smart Phone	Product Model:	GQ5017
Test By:	Kiran Zeng	Test mode:	BT Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.87V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	31.8916	41.42	-15.63	25.79	40.00	14.21	PK	Horizontal
2	56.7733	29.75	-13.37	16.38	40.00	23.62	PK	Horizontal
3	107.9919	33.69	-14.22	19.47	43.50	24.03	PK	Horizontal
4	433.2492	41.67	-9.83	31.84	46.00	14.16	PK	Horizontal
5	760.0585	31.04	-4.07	26.97	46.00	19.03	PK	Horizontal
6	954.4077	31.15	-1.77	29.38	46.00	16.62	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz:

Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4804.00	48.81	-7.98	40.83	74.00	33.17	Vertical
4804.00	49.32	-7.98	41.34	74.00	32.66	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4804.00	39.18	-7.98	31.20	54.00	22.80	Vertical
4804.00	38.76	-7.98	30.78	54.00	23.22	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4882.00	48.88	-7.47	41.41	74.00	32.59	Vertical
4882.00	49.32	-7.47	41.85	74.00	32.15	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4882.00	38.96	-7.47	31.49	54.00	22.51	Vertical
4882.00	38.90	-7.47	31.43	54.00	22.57	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4960.00	48.63	-7.00	41.63	74.00	32.37	Vertical
4960.00	48.97	-7.00	41.97	74.00	32.03	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4960.00	38.83	-7.00	31.83	54.00	22.17	Vertical
4960.00	38.89	-7.00	31.89	54.00	22.11	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

-----End of report-----